

ROUTE NO. SECTION		COUNTY		TOTAL SHEETS	SHEET NO.	SHEET	NO. 1
F.A.P. 817	106BR - 1	WASHINGTON			- 10	14 shi	EETS
FED.ROAD DIST. NO. 7		D_LINDIS	FED. ALD PROJECT-				

GENERAL NOTES

Expansion guards which are not cast in the precast unit shall be fabricated and erected according to Article 503.10(c) of the Standard Specifications and are included in quantity of structural steel.

The minimum thickness of Bituminous overlay shall be 2" and varies as required to adjust for the new profile grade and beam camber.

All structural steel shall be AASHTO M 270 Grade 36 unless otherwise noted. All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M 300, Type 1. Cost included with "Furnishing and Erecting Structural Steel".

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

The top surface of the beams shall be finished according to Article 504.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of $\frac{1}{4}$.

All Construction joints shall be bonded.

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A 780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coat of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to the exterior face and 9" in on the underside of the fascia beams. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam.

The contractor is advised that the existing Precast Prestressed Concrete Deck Beams are in a deteriated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstucture,

ITEM UNIT SUPER SUB TOTAL 1137 1137 Sq. Yd. Stone Riprap, Class AS 1137 1137 ilter Fabric for use with Riprap Sq. Yd. emoval of Existing Superstructures Fach 1 oncrete Removal 0.9 0.9 Cu. Yd. reformed Joint Seal 4 66.0 66.0 Foot oncrete Structures 0.9 0,9 Cu. Yd. 3.0 3.0 Concrete Superstructure Cu. Yd. ormed Concrete Repair Sq. Ft. 223.6 223.6 Depth Equal to or less than 5'') Precast Prestressed Concrete Deck Sq. Ft. 6168 6168 Beams (21'' Depth) Furnishing and Erecting Pound 5170 5170 Structural Steel 500 Reinforcement Bars, Epoxy Coated 410 90 Pound 378 Steel Bridge Rail, Type SM Foot 378 Name Plates Each Bar Splicers 12 12 Fach Waterproofing Membrane System Sa, Yd, 693 693 Bituminous Concrete Surface Coarse, 87 Ton 87 Superpave, Mix ''C''. N70 Foot 1875 1875 PC Mortar Fairing Course

TOTAL BILL OF MATERIAL

Range 5W - 3rd. PM

<u>GENERAL PLAN</u> <u>ILLINOIS ROUTE 15 OVER</u> <u>ELKHORN CREEK</u> <u>F.A.P. ROUTE 817 - SECTION 106BR-1</u> <u>WASHINGTON COUNTY</u> <u>STATION 690+00.00</u> <u>STRUCTURE NO. 095-0028</u>